

ABSTRACT OF THE DISCLOSURE

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A routing processing system in a packet transmission is capable of restricting a delay in a routing process ~~per~~ based on particular application applications being utilized. The packet transmission routing processing system performs a routing process for an input packet as a routing object and includes parsing and timer processing means for identifying an application corresponding to an intended transmission of an input packet and monitoring a timer value ~~preliminarily~~ provided for the application, ~~and~~ Routing and transferring means for determining a port of processes determine a transmission destination port on the basis of a destination address stored in a routing table, and ~~disposing~~ dispose of the packet or ~~transferring~~ transfer the packet to a preliminarily determined route ~~adapting to~~ depending on the identified application when the routing process is ~~continued beyond~~ exceeds the timer value, ~~monitored by the parsing and timer processing means.~~